

**REMARKS/ARGUMENTS**

In the Office action dated March 27, 2008, the examiner rejected claims 1-4, 14, 15, 17, 18, 26-30, 38, 39, 41-43 and 52 under 35 U.S.C. §102(b) as allegedly anticipated by Takahashi (U.S. Patent No. 5,805,933). However, applicant has canceled independent claims 1 and 27 as well as dependent claims 12 and 36 and has amended the remaining claims to depend from one of independent claims 53 and 54, which the examiner has allowed. As Takahashi fails to teach or suggest the reconfigurable detectors recited in claims 53 and 54, those claims, and all claims dependent therefrom, including claims 2-4, 14, 15, 17, 18, 26-30, 38, 39, 41-43 and 52 are allowable over Takahashi.

The examiner also rejected claims 5-12, 16, 19-25, 31-36, 40 and 44-51 under 35 U.S.C. §103(a) as allegedly obvious over Takahashi in view of one or more of Buican, et al. (U.S. Patent No. 5,117,466), Myrick (U.S. Patent No. 6,529,276), Yiannoulos (U.S. Patent No. 5,982,318), Jachimowicz (U.S. Patent No. 5,821,911) and Warner, Jr., et al. (U.S. Patent No. 5,937,318). However, as noted above, applicant has canceled claims 12 and 36, and each of remaining claims 5-11, 16, 19-25, 31-35, 40 and 44-51 depends from one of independent claims 53 and 54, which the examiner has allowed. None of Buican, Myrick, Yiannoulos, Jachimowicz and Warner, Jr. remedy the deficiencies of Takahashi as none of these references teach or suggest the reconfigurable detectors recited in claims 53 and 54. Accordingly, independent claims 53 and 54, and all claims dependent therefrom, including claims 5-11, 16, 19-25, 31-35, 40 and 44-51, are allowable over Takahashi, Buican, Myrick, Yiannoulos, Jachimowicz and Warner, Jr.

As noted above, the examiner has allowed claims 53 and 54. Applicant has amended claim 53 solely to correct a minor typographical error in that claim, and submits that claim 53 remains allowable. Claim 54 remains in its allowed form, and applicant therefore submits that claim 54 also remains allowable.

Claims 2-11, 14-26, 28-35 and 38-54 now remain pending in this application. By this amendment, applicant has canceled claims 1, 12, 27 and 36 and amended claims 2-5, 8, 11, 14-

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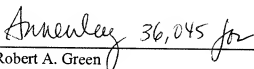
**Amdt date June 26, 2008**

**Reply to Office action of March 27, 2008**

19, 26, 28-31, 34, 35, 38-44, 52 and 53 solely to correct the dependencies of the claims and to correct minor inadvertent typographical errors. The amendments find full support in the original specification, claims and drawings and no new matter is presented. In light of the above amendments and remarks, applicant submits that all of pending claims 2-11, 14-26, 28-35 and 38-54 are in condition for allowance. Applicant therefore respectfully requests reconsideration and timely indication of allowance. However, if there are any remaining issues that can be addressed by telephone, applicant invites the examiner to contact applicant's counsel at the number indicated below.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By  36,045 for  
Robert A. Green  
Reg. No. 28,301  
626/795-9900

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